TABLE 1

DEMOGRAPHIC, EDUCATIONAL AND TREATMENT HISTORY DESCRIPTION

OF THE YOUTHS IN THE STUDY

Sex	n	%		Age	n	%
Male	72	61%		11	5	4%
Female	47	39%		12	6	5%
	119	100%		13	19	16%
				14	29	24%
				15	23	19%
				16	20	17%

Race	n	%
Black	39	33%
Native American/ Indian	1	*
Oriental	1	*
White	76	64%
Other	2	2%
	119	99%

Age (continued):

Age	n	%
17	17	14%
	119	99%

Mean ($\bar{x}$) = 14.6 years
Standard deviation = 1.61

Ethnicity	n	%
Hispanic	37	31%
Non-Hispanic	82	69%
	119	100%

Occupational Status/Income Source of Household Head[a]	n	%
Executive, Administrative, and Managerial Occupations/Professional Specialty Occupations	7	9%
Technical, Sales, or Administrative Support Occupations	9	12%
Skilled Occupations	1	1%
Unskilled, Semiskilled, and Low or Moderate Skilled Service Occupations	46	60%
Public Assistance/Other Public Support	14	18%
	77	100%

[a] No information/uncodable data existed for 42 cases.

TABLE 1 (Continued)

Living Situation	n	%
Biological parents	24	20%
Father	1	*
Father and Stepmother	1	*
Mother	56	47%
Mother and Stepfather	13	11%
Mother and Other Adult	7	6%
Grandparents	6	5%
Aunt	3	3%
Guardian	2	2%
Boyfriend	1	*
Other	5	4%
	119	98%

Highest Achieved School Grade	n	%
4th	3	3%
5th	6	5%
6th	9	8%
7th	31	26%
8th	19	16%
9th	29	24%
10th	14	12%
11th	4	3%
No Information	4	3%
	119	100%

Repeated a Grade	n	%
Yes	66	55%
No	53	45%
	119	100%

Currently in School	n	%
Yes	100	84%
No	19	16%
	119	100%

Lag Between Grade and Chronological Age	n	%
2 grades above	1	*
1 grade above	5	4%
At grade level	42	35%
1 grade below	52	44%
2 grades below	15	13%
No information	4	3%
	119	99%

Placed in Special Education Class	n	%
Yes	48	40%
No	70	59%
No information	1	*

TABLE 1 (Continued)

Treatment History:

Mental Health	n	%	Substance Abuse	n	%
Never	93	78%	Never	110	92%
Previously	18	15%	Previously	5	4%
Currently	6	5%	Currently	2	2%
No Information	2	2%	No Information	2	2%
	119	100%		119	100%

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* Less than 1%.

TABLE 2

CHARGES AT ENTRY TO THE JUVENILE

ASSESSMENT CENTER (n = 119)[a]

Offense Category	Percent of Youths[a]
Violent Felony	15%
Property Felony	52%
Drug Felony	8%
Violent Misdemeanor	1%
Property Misdemeanor	40%
Drug Misdemeanor	7%
Public Disorder Misdemeanor	9%

[a]   Since some youths were arrested on multiple offense charges, the total percent exceeds 100%.

TABLE 3

YOUTHS' REFERRAL HISTORY AT TIME OF INITIAL INTERVIEW

	Frequency of referral to FL Dept. of Juvenile Justice (% of youth)	
Reason for Referral	Referred 1 or more times (n = 119)	Referred 4 or more times (n = 119)
Neglect	18%	--
Mental injury	1%	--
Sexual abuse/exploitation	5%	--
Physical abuse	20%	--
Felony property offenses	31%	6%
Felony violence offenses	15%	--
Felony drug offenses	3%	--
Misdemeanor property offenses	38%	8%
Misdemeanor violence offenses	20%	1%
Misdemeanor public disorder offenses	22%	3%
Misdemeanor drug offenses	5%	--
Status offenses	3%	--

TABLE 4

LOADING OF THE DELINQUENCY REFERRAL HISTORY VARIABLES ON THE

THREE VARIMAX FACTORS (n = 119)

(Decimal points omitted)

Referral History Variables	Factor 1: Property and Public Disorder Offenses	Factor 2: Violence Offenses	Factor 3: Drug Offenses
Felony property offenses	83	11	07
Misdemeanor property offenses	80	11	16
Misdemeanor public disorder offenses	65	13	-17
Felony violence offenses	04	89	02
Misdemeanor violence offenses	36	76	-04
Felony drug offenses	14	-17	75
Misdemeanor drug offenses	-09	15	75

TABLE 5

FAMILY PROBLEM CHARACTERISTICS

Problem Area	n	%
Any member of family/household family had an alcohol abuse problem	118	33%
Any member of family/household family had another drug abuse problem	118	24%
Any member of family/household family had an emotional/mental health problem	118	26%
Youth reporting family/household member ever had been:		
Arrested	118	62%
Held in jail or detention	118	53%
Adjudicated delinquent or convicted	117	35%
Put on community control or probation	117	31%
Sent to a training school or prison	117	26%

TABLE 6

LOADING OF FAMILY MEMBER ALCOHOL, OTHER DRUG

AND MENTAL HEALTH PROBLEM VARIABLES ON THE

MAIN PRINCIPAL COMPONENT (n = 119)

(Decimal points omitted)

Variable	Loading
Any member of family/household family member ever had:	
An alcohol abuse problem	73
Another drug abuse problem	83
An emotional/mental health problem	46
Eigenvalue:	1.44
Percent of explained variance:	48.1

TABLE 7

LOADING OF THE FAMILY MEMBER JUSTICE SYSTEM CONTACT

VARIABLES ON THE MAIN PRINCIPAL COMPONENT (n = 119)

(Decimal points omitted)

Variable	Loading
Arrested	53
Held in jail or detention	75
Adjudicated delinquent or convicted of a crime	75
Put on community control or probation	86
Sent to a training school or prison	84
Eigenvalue:	2.86
Percent of explained variance:	57.2

TABLE 8

FRIENDS' PREVALENCE OF ALCOHOL/OTHER DRUG USE

AND INVOLVEMENT WITH THE POLICE OR COURTS

Characteristic	n	%
Any close friend use any of the following substances in the past year:[a]		
Alcohol	113	59%
Marijuana/hashish	113	55%
Inhalants	114	6%
Hallucinogens	114	21%
Cocaine	114	8%
Heroin	114	4%
Nonmedical use of:		
Stimulants	115	5%
Sedatives	114	4%
Tranquilizers	114	2%
Analgesics	114	7%
Youths reporting any close friends had been:		
Arrested	113	66%
Held in jail or detention	113	51%
Adjudicated delinquent or convicted of a crime	113	50%
Put on community control or probation	113	44%
Sent to a training school or prison	113	19%

[a] Responses ranged as follows: not used = 0, used in the past week = 1, used in the past month = 2, used in the past 6 months = 3, used in the past 12 months = 4.

TABLE 9

LOADING OF THE YOUTHS' CLOSE FRIENDS' SUBSTANCE USE

VARIABLES ON THE MAIN PRINCIPAL COMPONENT (n = 119)

(Decimal points omitted)

Substance Use Variable		Loading
Alcohol		69
Marijuana/hashish		68
Inhalants		38
Hallucinogens	76	
Cocaine		45
Heroin	46	
Nonmedical use of:		
Stimulants		48
Sedatives		47
Tranquilizers		49
Analgesics		69

Eigenvalue:		3.23
Percent of explained variance:		32.3

TABLE 10

LOADING OF THE YOUTHS' CLOSE FRIENDS' JUSTICE SYSTEM CONTACT

VARIABLES ON THE MAIN PRINCIPAL COMPONENT (n = 119)

(Decimal points omitted)

Variable	Loading
Arrested	79
Held in jail or detention	84
Adjudicated delinquent or convicted of a crime	81
Put on community control or probation	83
Sent to a training school or prison	89
Eigenvalue:	3.47
Percent of explained variance:	69.4

TABLE

PERCENT OF YOUTHS REPORTING VARIOUS

PHYSICAL ABUSE EXPERIENCES

Item	% reporting (n = 119)
Been beaten or *really* hurt by being hit (but not with anything)	30%
Been beaten or hit with a whip, strap, or belt	39%
Been beaten or hit with something "hard" (like a club or stick)	16%
Been shot with a gun, injured with a knife, or had some other "weapon" used against you	7%
Been hurt badly enough by an adult to require (need) a doctor or bandages or other medical treatment	13%
Spent time in the hospital because you were physically injured by an adult	5%

TABLE 11

LOADING OF THE SELF-REPORTED PHYSICAL ABUSE ITEMS

ON THE MAIN PRINCIPAL COMPONENT (n = 119)

(Decimal points omitted)

Item	Loading
Been beaten or *really* hurt by being hit (but not with anything)	64
Been beaten or hit with a whip, strap, or belt	51
Been beaten or hit with something "hard" (like a club or stick)	64
Been shot with a gun, injured with a knife, or had some other "weapon" used against you	65
Been hurt badly enough by an adult to require (need) a doctor or bandages or other medical treatment	80
Spent time in the hospital because you were physically injured by an adult	40

Eigenvalue:	2.30
Percent of explained variance:	38.4

TABLE

PERCENT OF YOUTHS SEXUALLY VICTIMIZED

Sexually Victimized	n	%
No	81	68%
Yes	38	32%
	119	100%

TABLE 12

HOW MANY TIMES REPORTED GETTING VERY HIGH

OR DRUNK ON ALCOHOL IN THE PAST 12 MONTHS

Frequency	n	%
None	55	46%
1 or 2 days	18	15%
3 to 5 days	6	5%
Every other month or so (or 6 to 11 days)	11	9%
1 to 2 times a month (or 12 to 24 days a year)	13	11%
Several times a month (or 25 to 51 days a year)	5	4%
About 1 or 2 days a week	5	4%
Almost daily or 3 to 6 days a week	5	4%
Daily	1	*
	119	98%

* Less than 1%.

TABLE 13

THE YOUTHS' REPORTED LIFETIME FREQUENCY OF DRUG USE

Drug	Never used	Used 1 or 2 times	Used 3 to 5 times	Used 6 to 10 times	Used 11 to 49 times	Used 50 to 99 times	Used 100 to 199 times	Used 200 or more times	Total (n = 119)
Marijuana/hashish (not blunts)	36%	3%	5%	9%	18%	4%	7%	17%	99%
Blunts	48%	10%	13%	8%	8%	2%	3%	8%	100%
Inhalants	92%	5%	1%	2%	1%	--	--	--	101%
Hallucinogens	78%	8%	3%	5%	4%	3%	--	--	101%
Cocaine	84%	12%	--	2%	1%	1%	--	1%	101%
Heroin	99%	--	--	--	1%	--	--	--	100%
Nonmedical use of:									
Stimulants	92%	3%	1%	--	2%	1%	1%	1%	101%
Sedatives	98%	2%	--	--	--	--	--	--	100%
Tranquilizers	92%	5%	2%	1%	--	--	1%	--	101%
Analgesics	97%	1%	--	1%	--	2%	--	--	101%

* Less than 1%

TABLE 14

HAIR TEST RESULTS (RIAH®)

	n	%
No drug positives	65	55%
One drug positive	36	31%
Marijuana	23	20%
Cocaine	13	11%
Two drug positives	15	13%
Marijuana and cocaine	12	10%
Marijuana and opiates	2	2%
Cocaine and opiates	1	1%
Three drug positives	2	2%
Marijuana, cocaine and opiates	2	2%
	118	101%

NOTE: No marijuana test results were available for seven subjects, and one subject's hair sample could not be located.

TABLE 15

SELF-REPORTED DELINQUENCY IN THE PAST YEAR

	Past Year Frequency							
Index/Behavior[a]	**0**	**1-4**	**5-29**	**30-54**	**55-99**	**100-199**	**200+**	**Total (n=119)**
Index offenses	40%	33%	18%	5%	2%	2%	*	100%
Crimes against persons	35%	39%	18%	2%	2%	2%	2%	100%
General theft	15%	37%	29%	10%	2%	4%	3%	100%
Drug sales	69%	12%	9%	4%	*	--	5%	99%
Total delinquency	4%	27%	34%	12%	5%	7%	12%	101%

[a] The construction of these indexes is discussed in the text.

* Less than 1%

TABLE 16

SCL-90-R T-SCORE MEANS FOR THE NINE SCALES

Scale	T-Score Mean ($\bar{x}$)
Somatization	46.8
Obsessive-compulsive	45.1
Interpersonal sensitivity	42.4
Depression	45.0
Anxiety	46.2
Hostility	46.4
Phobic anxiety	47.8
Paranoid ideation	46.7
Psychoticism	45.2

TABLE 17

LOADING OF THE NINE SCL-90-R T-SCORE SCALES

ON THE MAIN PRINCIPAL COMPONENT

(Decimal points omitted)

Scale	Loading
Somatization	77
Obsessive-compulsive	86
Interpersonal sensitivity	93
Depression	91
Anxiety	90
Hostility	77
Phobic anxiety	87
Paranoid ideation	87
Psychoticism	90

Eigenvalue:	6.74
Percent of explained variance:	74.9

TABLE 18

PERCENT OF FAMILY EMPOWERMENT AND EXTENDED SERVICE GROUP

TARGET YOUTHS WHO WERE ARRESTED ONE OR MORE TIMES ON

VARIOUS CHARGES WITHIN 12 MONTHS OF RANDOM ASSIGNMENT[a]

Group	Violent Felony Charges	Property Felony Charges	Drug Felony Charges	Violent Misdemeanor Charges	Property Misdemeanor Charges	Drug Misdemeanor Charges	Public Disorder Misdemeanor Charges	Total Arrests
				Arrested One or More Times on:				
Family Empowerment Intervention (n=56)	14	16	5	13	20	14	13	48
Extended Services Intervention (n=63)	13	13	3	13	24	3	14	41
Overall (n=119)	13	14	4	13	22	8	13	45

[a] Offenses comprising each charge category are discussed in the text.

TABLE 19

**STEPWISE REGRESSION OF TOTAL ARRESTS DURING THE
12 MONTHS FOLLOWING RANDOM ASSIGNMENT ON
VARIOUS PREDICTOR VARIABLES (n = 119)[a]**

Variables	b	(beta)	r	R^2 change
Demographic				
Age	.003	.007	.008	
Gender (male)	.275	.180	.363	
Race (Black)	.320	.201	.256	
Ethnicity (Hispanic)	.064	.040	-.055	
Living situation (living with mother)	.176	.118	-.007	
Family Problems				
Involvement with the justice system	.013	.017	.064	0.263
Alcohol, other drug or mental health problems	-.001	-.001	-.068	(F=5.68*** df=7,111)
Self-reported drug use, sexual victimization, physical abuse				
Lifetime reported use of marijuana (not blunts)	-.044	-.156	.213	
Lifetime reported use of blunts	.044	.133	.285	
Lifetime reported use of hallucinogens	.101	.171	.130	
Lifetime reported use of cocaine	-.010	-.013	.040	
Sexual victimization	-.038	-.024	-.019	0.061
Physical abuse	.148	.198	.133	(F=1.58 df=6,105)
Referral, substance abuse or mental health treatment history, educational lag				
Property and public disorder offenses	.253	.337**	.114	
Violence offenses	.206	.275***	.298	
Drug offenses	.136	.182	.206	
Referrals for sexual abuse/exploitation	-.678	-.199	-.197	
Referrals for physical abuse	-.035	-.029	.110	
Referrals for neglect	.132	.116	.179	
Substance abuse treatment (ever)	-.221	-.070	.030	
Mental health treatment (ever)	-.068	-.036	-.049	0.132
Educational lag	-.055	-.058	-.088	(F=2.58* df=9,96)
Friends substance use and problem behavior				
Friends' substance use	.097	.130	.078	0.005
Friends' involvement with the justice system	-.025	-.033	.209	(F=0.41 df=2,94)

TABLE 19 (Continued)

Variables	b	(beta)	r	R^2 change
Self-reported delinquency and frequency of getting very high/drunk on alcohol in past year				
Self-reported delinquency	-.046	-.057	.239	0.007
Frequency of getting very high/drunk on alcohol	.045	.140	.137	(F=0.65 df=2,92)
RIAH® test results				
Marijuana (positive)	-.090	-.056	.140	
Cocaine (positive)	-.206	-.117	.171	0.013
Opiates (positive)	.469	.126	.163	(F=0.75 df=3,89)
Arrest charges entering JAC				
Violence	-.171	-.189	-.085	
Property	-.028	-.041	-.141	
Drugs	-.184	-.134	.056	0.024
Public Disorder	-.002	-.001	.033	(F=1.01 df=4,85)
SCL-90-R Score	-.036	-.047	.110	0.002 (F=0.34 df=1,84)
Group assignment (FEI)	-.095	-.063	.058	0.003 (F=0.46 df=1,83)

Constant -.594

Overall R^2 = 0.510
F for R^2 = 2.47***
df = 35,83

a. The variables used in this analysis reported in Tables 19 to 26 were coded as follows: <u>age</u>: age in years at first interview; <u>gender</u>: male=0, female=1; <u>race</u>: non-Black (mainly White)=0, Black=1; <u>ethnicity</u>: non-Hispanic=0, Hispanic=1; <u>living situation</u>: living with mother=1, other living situation=0; <u>family involvement with the justice system</u> and <u>alcohol, other drug or mental health problem factor scores</u>: the higher the score the more the problem; <u>self-reported lifetime frequency of marijuana/hashish, blunt, hallucinogen and cocaine use</u>: never used=0, used 1 or 2 times=1, used 3 to 5 times=2, used 6 to 10 times=3, used 11 to 49 times=4, used 50 to 99 times=5, used 100 to 199 times=6, used 200 or more times=7; <u>sexual victimization</u>: no=0, yes=1; <u>physical abuse factor score</u>: the higher the score, the larger the number of different modes of physical harm claimed; <u>property and public disorder, violence and drug offense factor scores</u>: the higher the score, the larger the number of referrals to juvenile court for the indicated offenses; <u>referrals to juvenile court for physical abuse, neglect and sexual abuse/exploitation</u>: the number of court referrals for the indicated reason; <u>substance abuse or mental health treatment</u>: never=0, ever=1; <u>friends' substance use and involvement with the justice system factor scores</u>: the higher the score, the more the friends' substance use or justice ȳsystem involvement; <u>self-reported delinquency in the past year</u>: the higher the score, the more the delinquency; <u>reported frequency of getting very high or drunk on alcohol in the past year</u>: none=0, 1 or 2 days=1, 3 to 5 days=2, every other month or so (or 6 to 11 days)=3, 1 or 2 times a month (or 12 to 24 times a year)=4, several times a month (or 25 to 51 days a year)=5, about 1 or 2 days a week=6, almost daily (or 3 to 5 days a week)=7; daily=8; <u>RIAH® hair test results for marijuana, cocaine and opiates</u>: negative=0, positive=1; <u>arrest charges for violence, property, drug and public disorder upon entering the juvenile assessment center</u>: the number of charges for the indicated offenses; <u>SCL-90-R factor scores</u>: the higher the score, the greater the emotional/psychological functioning problems reported; <u>group assignment</u>: Extended Services=0, Family Empowerment Intervention Services=1.

<u>Significance levels</u>: Group assignment significance levels are for a one-tailed test. All other significance levels are for a two-tailed test:

[*] .10 > p > .05
[**] p < .05
[***] p < .01
[****] p < .001

TABLE 20

**STEPWISE REGRESSION OF VIOLENT FELONY ARRESTS DURING THE
12 MONTHS FOLLOWING RANDOM ASSIGNMENT ON
VARIOUS PREDICTOR VARIABLES (n = 119)[a]**

Variables	b	(beta)	r	R^2 change
Demographic				
Age	.005	.022	-.018	
Gender (male)	-.069	-.083	.050	
Race (Black)	.158	.183	.183	
Ethnicity (Hispanic)	.033	.037	-.107	
Living situation (living with mother)	-.018	-.022	-.128	
Family Problems				
Involvement with the justice system	.000	.000	-.020	0.059
Alcohol, other drug or mental health problems	-.080	-.194	-.121	(F=1.00 df=7,111)
Self-reported drug use, sexual victimization, physical abuse				
Lifetime reported use of marijuana (not blunts)	-.036	-.240	.033	
Lifetime reported use of blunts	.030	.164	.051	
Lifetime reported use of hallucinogens	.067	.210	.075	
Lifetime reported use of cocaine	-.024	-.057	-.034	
Sexual victimization	-.052	-.060	.095	0.052
Physical abuse	.048	.118	.052	(F=1.02 df=6,105)
Referral, substance abuse or mental health treatment history, educational lag				
Property and public disorder offenses	.057	.139	.077	
Violence offenses	.181	.442***	.443	
Drug offenses	-.034	-.084	-.084	
Referrals for sexual abuse/exploitation	-.137	-.074	-.091	
Referrals for physical abuse	-.027	-.041	.006	
Referrals for neglect	.019	.029	-.020	
Substance abuse treatment (ever)	-.231	-.133	-.090	
Mental health treatment (ever)	-.091	-.090	.065	0.157
Educational lag	-.015	-.030	-.010	(F=2.28* df=9,96)
Friends substance use and problem behavior				
Friends' substance use	.124	.302	.074	0.022
Friends' involvement with the justice system	-.022	-.054	.059	(F=1.49 df=2,94)

TABLE 20 (Continued)

Variables	b	(beta)	r	R^2 change
Self-reported delinquency and frequency of getting very high/drunk on alcohol in past year				
Self-reported delinquency	-.060	-.131	.014	0.015
Frequency of getting very high/drunk on alcohol	.032	.134	.096	(F=0.99 df=2,92)
RIAH® test results				
Marijuana (positive)	.014	.015	.026	
Cocaine (positive)	-.134	-.139	-.050	0.006
Opiates (positive)	.219	.107	.069	(F=0.24 df=3,89)
Arrest charges entering JAC				
Violence	-.050	-.101	.010	
Property	.040	.102	.005	
Drugs	-.111	-.147	-.032	0.046
Public Disorder	-.184	-.131	-.121	(F=1.54 df=4,85)
SCL-90-R Score	.077	.187	.156	0.019 (F=2.60 df=1,84)
Group assignment (FEI)	-.087	-.106	.028	0.008 (F=1.03 df=1,83)

Constant -.764

Overall R^2 = 0.384
F for R^2 = 1.48
df = 35,83

TABLE 21

**STEPWISE REGRESSION OF PROPERTY FELONY ARRESTS DURING THE
12 MONTHS FOLLOWING RANDOM ASSIGNMENT ON
VARIOUS PREDICTOR VARIABLES (n = 119)[a]**

Variables	b	(beta)	r	R^2 change
Demographic				
Age	.042	.127	.105	
Gender (male)	.269	.250[**]	.324	
Race (Black)	.252	.225	.122	
Ethnicity (Hispanic)	.080	.070	.084	
Living situation (living with mother)	.157	.149	.010	
Family Problems				
Involvement with the justice system	.024	.045	.079	0.239
Alcohol, other drug or mental health problems	.072	.136	.175	(F=4.95[***] df=7,111)
Self-reported drug use, sexual victimization, physical abuse				
Lifetime reported use of marijuana (not blunts)	-.054	-.272	.186	
Lifetime reported use of blunts	.075	.319	.307	
Lifetime reported use of hallucinogens	.042	.102	.062	
Lifetime reported use of cocaine	-.089	-.164	-.034	
Sexual victimization	-.058	-.051	-.064	0.045
Physical abuse	.082	.156	.133	(F=1.08 df=6,105)
Referral, substance abuse or mental health treatment history, educational lag				
Property and public disorder offenses	.078	.147	.342	
Violence offenses	.036	.068	.090	
Drug offenses	.028	.054	.073	
Referrals for sexual abuse/exploitation	-.317	-.132	-.094	
Referrals for physical abuse	.068	.080	.110	
Referrals for neglect	.047	.059	.096	
Substance abuse treatment (ever)	.315	.141	.186	
Mental health treatment (ever)	-.014	-.011	-.110	0.041
Educational lag	-.065	-.095	-.130	(F=0.65 df=9,96)
Friends substance use and problem behavior				
Friends' substance use	.024	.045	.032	0.001
Friends' involvement with the justice system	-.017	-.032	.140	(F=0.08 df=2,94)

TABLE 21 (Continued)

Variables	b	(beta)	r	R^2 change
Self-reported delinquency and frequency of getting very high/drunk on alcohol in past year				
Self-reported delinquency	-.033	-.058	.230	0.004
Frequency of getting very high/drunk on alcohol	.032	.142	.140	(F=0.31 df=2,92)
RIAH® test results				
Marijuana (positive)	-.180	-.157	.019	
Cocaine (positive)	-.175	-.141	.089	0.030
Opiates (positive)	.233	.089	.122	(F=1.41 df=3,89)
Arrest charges entering JAC				
Violence	-.107	-.168	-.111	
Property	-.013	-.026	-.086	
Drugs	-.049	-.050	-.005	0.024
Public Disorder	.172	.095	.100	(F=0.84 df=4,85)
SCL-90-R Score	-.066	-.125	.016	0.009 (F=1.31 df=1,84)
Group assignment (FEI)	.032	.031	.015	0.001 (F=0.09 df=1,83)

Constant = -1.671

Overall R^2 = 0.394
F for R^2 = 1.54
df = 35,83

TABLE 22

**STEPWISE REGRESSION OF DRUG FELONY ARRESTS DURING THE
12 MONTHS FOLLOWING RANDOM ASSIGNMENT ON
VARIOUS PREDICTOR VARIABLES (n = 119)[a]**

Variables	b	(beta)	r	R^2 change
Demographic				
Age	-.007	-.056	-.040	
Gender (male)	.014	.033	.104	
Race (Black)	.031	.072	.135	
Ethnicity (Hispanic)	.001	.002	-.148	
Living situation (living with mother)	.065	.161	.139	
Family Problems				
Involvement with the justice system	.024	.120	.104	0.125
Alcohol, other drug or mental health problems	-.049	-.242**	-.153	(F=2.28*
				df=7,111)
Self-reported drug use, sexual victimization, physical abuse				
Lifetime reported use of marijuana (not blunts)	.011	.143	.046	
Lifetime reported use of blunts	-.006	-.072	.034	
Lifetime reported use of hallucinogens	.025	.159	.055	
Lifetime reported use of cocaine	-.039	-.189**	-.065	
Sexual victimization	.003	.007	-.028	0.020
Physical abuse	.012	.058	-.046	(F=0.40
				df=6,105)
Referral, substance abuse or mental health treatment history, educational lag				
Property and public disorder offenses	-.023	-.114	.054	
Violence offenses	.028	.140	.179	
Drug offenses	.027	.133	.325	
Referrals for sexual abuse/exploitation	-.055	-.060	-.057	
Referrals for physical abuse	-.048	-.148	-.081	
Referrals for neglect	.059	.196	.158	
Substance abuse treatment (ever)	.027	.032	-.047	
Mental health treatment (ever)	-.057	-.114	-.103	0.141
Educational lag	.002	.006	-.053	(F=2.10*
				df=9,96)
Friends substance use and problem behavior				
Friends' substance use	-.010	-.048	.015	0.003
Friends' involvement with the justice system	.019	.095	.087	(F=0.18
				df=2,94)

TABLE 22 (Continued)

Variables	b	(beta)	r	R^2 change
Self-reported delinquency and frequency of getting very high/drunk on alcohol in past year				
Self-reported delinquency	.016	.069	-.017	0.001
Frequency of getting very high/drunk on alcohol	-.010	-.110	-.012	(F=0.08 df=2,92)
RIAH® test results				
Marijuana (positive)	.028	.064	.156	
Cocaine (positive)	.005	.011	.187	0.033
Opiates (positive)	.106	.106	.180	(F=1.45 df=3,89)
Arrest charges entering JAC				
Violence	-.026	-.108	-.094	
Property	-.015	-.084	-.137	
Drugs	.082	.222	.365	0.056
Public Disorder	-.091	-.132	-.068	(F=1.92 df=4,85)
SCL-90-R Score	.005	.025	.059	0.001 (F=0.09 df=1,84)
Group assignment (FEI)	.023	.056	.051	0.002 (F=0.29 df=1,83)

Constant -.916

Overall R^2 = 0.382
F for R^2 = 1.46
df = 35,83

TABLE 23

**STEPWISE REGRESSION OF VIOLENT MISDEMEANOR ARRESTS DURING
THE 12 MONTHS FOLLOWING RANDOM ASSIGNMENT ON
VARIOUS PREDICTOR VARIABLES (n = 119)[a]**

Variables	b	(beta)	r	R^2 change
Demographic				
Age	-.008	-.034	-.065	
Gender (male)	.103	.138	.220	
Race (Black)	-.043	-.055	.217	
Ethnicity (Hispanic)	-.078	-.099	-.107	
Living situation (living with mother)	-.079	-.108	-.153	
Family Problems				
Involvement with the justice system	-.024	-.065	.034	0.177
Alcohol, other drug or mental health problems	.086	.234[**]	.215	(F=3.40[**]
				df=7,111)
Self-reported drug use, sexual victimization, physical abuse				
Lifetime reported use of marijuana (not blunts)	-.027	-.200	.126	
Lifetime reported use of blunts	.024	.145	.177	
Lifetime reported use of hallucinogens	-.062	-.214	.090	
Lifetime reported use of cocaine	.133	.352[**]	.175	
Sexual victimization	.073	.093	.037	0.064
Physical abuse	-.032	-.089	.104	(F=1.46
				df=6,105)
Referral, substance abuse or mental health treatment history, educational lag				
Property and public disorder offenses	.073	.199	.245	
Violence offenses	.105	.288	.326	
Drug offenses	-.039	-.107	-.034	
Referrals for sexual abuse/exploitation	-.137	-.082	-.091	
Referrals for physical abuse	-.019	-.033	.061	
Referrals for neglect	.036	.064	.176	
Substance abuse treatment (ever)	-.265	-.171	.006	
Mental health treatment (ever)	-.168	-.185	-.057	0.126
Educational lag	.035	.074	.021	(F=2.12[*]
				df=9,96)
Friends substance use and problem behavior				
Friends' substance use	.029	.078	.049	0.008
Friends' involvement with the justice system	-.069	-.190	.027	(F=0.62
				df=2,94)

TABLE 23 (Continued)

Variables	b	(beta)	r	R² change
Self-reported delinquency and frequency of getting very high/drunk on alcohol in past year				
Self-reported delinquency	-.014	-.036	.177	0.030
Frequency of getting very high/drunk on alcohol	.036	.231	.209	(F=2.29 df=2,92)
RIAH® test results				
Marijuana (positive)	.074	.094	.091	
Cocaine (positive)	.128	.148	.208	0.029
Opiates (positive)	.264	.145	.201	(F=1.52 df=3,89)
Arrest charges entering JAC				
Violence	.026	.058	.171	
Property	-.040	-.120	-.224	
Drugs	.070	-.074	.042	0.015
Public Disorder	.080	.063	.037	(F=0.59 df=4,85)
				0.044
SCL-90-R Score	.103	.279	.190	(F=7.35** df=1,84)
				0.011
Group assignment (FEI)	-.092	-.126*	.000	(F=1.80* df=1,83)

Constant -0.687

Overall R² = 0.504
F for R² = 2.41***
df = 35,83

TABLE 24

**STEPWISE REGRESSION OF PROPERTY MISDEMEANOR ARRESTS DURING
THE 12 MONTHS FOLLOWING RANDOM ASSIGNMENT ON
VARIOUS PREDICTOR VARIABLES (n = 119)[a]**

Variables	b	(beta)	r	R^2 change
Demographic				
Age	-.048	-.155	-.169	
Gender (male)	.180	.177	.232	
Race (Black)	.069	.065	.197	
Ethnicity (Hispanic)	-.124	-.116	-.026	
Living situation (living with mother)	-.018	-.018	-.080	
Family Problems				
Involvement with the justice system	.065	.130	.131	0.150
Alcohol, other drug or mental health problems	.022	.044	.060	(F=2.81[**]
				df=7,111)
Self-reported drug use, sexual victimization, physical abuse				
Lifetime reported use of marijuana (not blunts)	-.006	-.031	.045	
Lifetime reported use of blunts	.011	.050	.104	
Lifetime reported use of hallucinogens	.044	.112	.026	
Lifetime reported use of cocaine	.048	.093	.015	
Sexual victimization	.110	.101	-.094	0.016
Physical abuse	.081	.161	.079	(F=0.34
				df=6,105)
Referral, substance abuse or mental health treatment history, educational lag				
Property and public disorder offenses	.156	.312[**]	.384	
Violence offenses	.080	.060	.130	
Drug offenses	-.010	-.020	-.015	
Referrals for sexual abuse/exploitation	-.385	-.170	-.121	
Referrals for physical abuse	.131	.164	.239	
Referrals for neglect	.005	.007	.101	
Substance abuse treatment (ever)	.053	.025	.014	
Mental health treatment (ever)	.157	.127	-.071	0.104
Educational lag	-.041	-.064	-.045	(F=1.53
				df=9,96)
Friends substance use and problem behavior				
Friends' substance use	-.096	-.191	-.082	0.021
Friends' involvement with the justice system	.083	.167	.206	(F=1.39
				df=2,94)

TABLE 24 (Continued)

Variables	b	(beta)	r	R^2 change
Self-reported delinquency and frequency of getting very high/drunk on alcohol in past year				
Self-reported delinquency	-.040	-.073	.113	0.003
Frequency of getting very high/drunk on alcohol	.007	.032	-.021	(F=0.20 df=2,92)
RIAH® test results				
Marijuana (positive)	-.213	-.198	-.030	
Cocaine (positive)	-.093	-.080	.067	0.028
Opiates (positive)	.101	.041	.067	(F=1.25 df=3,89)
Arrest charges entering JAC				
Violence	-.126	-.209	-.128	
Property	.010	.022	-.078	
Drugs	.020	.022	-.025	0.046
Public Disorder	.311	.181	.209	(F=1.53 df=4,85)
				0.051
SCL-90-R Score	-.131	-.261**	-.058	(F=7.17 df=1,84)
				0.010
Group assignment (FEI)	-.123	-.124	-.075	(F=1.50 df=1,83)

Constant -.096

Overall R^2 = 0.429
F for R^2 = 1.78*
df = 35,83

** p < .05 (2-tailed test)
*** p < .01 (2-tailed test)
**** p < .001 (2-tailed test)

TABLE 25

STEPWISE REGRESSION OF DRUG MISDEMEANOR ARRESTS
DURING THE 12 MONTHS FOLLOWING RANDOM ASSIGNMENT
ON VARIOUS PREDICTOR VARIABLES (n = 119)[a]

Variables	b	(beta)	r	R^2 change
Demographic				
Age	-.013	-.068	.098	
Gender (male)	-.068	-.113	.138	
Race (Black)	-.012	-.019	-.017	
Ethnicity (Hispanic)	.124	.195	-.005	
Living situation (living with mother)	.002	.003	.059	
Family Problems				
Involvement with the justice system	.027	.093	.151	0.071
Alcohol, other drug or mental health problems	-.017	-.057	.048	(F=1.21 df=7,111)
Self-reported drug use, sexual victimization, physical abuse				
Lifetime reported use of marijuana (not blunts)	-.011	-.097	.206	
Lifetime reported use of blunts	-.009	-.069	.182	
Lifetime reported use of hallucinogens	.056	.240**	.308	
Lifetime reported use of cocaine	.008	.027	.260	
Sexual victimization	-.043	-.068	.048	0.120
Physical abuse	-.022	-.074	-.114	(F=2.60* df=6,105)
Referral, substance abuse or mental health treatment history, educational lag				
Property and public disorder offenses	.023	.079	.105	
Violence offenses	.052	.176	.085	
Drug offenses	.151	.510****	.516	
Referrals for sexual abuse/exploitation	-.108	-.080	-.074	
Referrals for physical abuse	-.108	-.228**	-.124	
Referrals for neglect	.087	.194**	.098	
Substance abuse treatment (ever)	-.099	-.079	.051	
Mental health treatment (ever)	-.159	-.216**	-.063	0.271
Educational lag	-.030	-.080	-.107	(F=5.37*** df=9,96)
Friends substance use and problem behavior				
Friends' substance use	.077	.261	.261	0.021
Friends' involvement with the justice system	-.044	-.148	.106	(F=1.87 df=2,94)

TABLE 25 (Continued)

Variables	b	(beta)	r	R² change
Self-reported delinquency and frequency of getting very high/drunk on alcohol in past year				
Self-reported delinquency	.051	.158	.202	0.010
Frequency of getting very high/drunk on alcohol	.005	.039	.166	(F=0.90 df=2,92)
RIAH® test results				
Marijuana (positive)	.074	.116	.189	
Cocaine (positive)	-.065	-.094	.104	0.014
Opiates (positive)	.176	.120	.217	(F=0.86 df=3,89)
Arrest charges entering JAC				
Violence	-.015	-.042	-.058	
Property	-.013	-.049	-.037	
Drugs	-.073	-.134	.270	0.020
Public Disorder	-.117	-.115	-.095	(F=0.90 df=4,85)
SCL-90-R Score	.052	.174	.161	0.023 (F=4.31* df=1,84)
Group assignment (FEI)	.067	.114	.199	0.009 (F=1.64 df=1,83)

Constant -.736

Overall R² = 0.559
F for R² = 3.00***
df = 35,83

TABLE 26

**STEPWISE REGRESSION OF PUBLIC DISORDER MISDEMEANOR ARRESTS
DURING THE 12 MONTHS FOLLOWING RANDOM ASSIGNMENT
ON VARIOUS PREDICTOR VARIABLES (n = 119)[a]**

Variables	b	(beta)	r	R^2 change
Demographic				
Age	.031	.126	.047	
Gender (male)	.169	.208	.232	
Race (Black)	.129	.152	.236	
Ethnicity (Hispanic)	-.038	-.044	-.010	
Living situation (living with mother)	.181	.227[**]	.105	
Family Problems				
Involvement with the justice system	-.048	-.120	-.050	0.243
Alcohol, other drug or mental health problems	.055	.137	.101	(F=5.07[***] df=7,111)
Self-reported drug use, sexual victimization, physical abuse				
Lifetime reported use of marijuana (not blunts)	-.008	-.052	.087	
Lifetime reported use of blunts	-.009	-.048	.154	
Lifetime reported use of hallucinogens	-.050	-.159	-.121	
Lifetime reported use of cocaine	.015	.037	-.091	
Sexual victimization	.075	.088	.022	0.024
Physical abuse	.017	.042	.086	(F=0.57 df=6,105)
Referral, substance abuse or mental health treatment history, educational lag				
Property and public disorder offenses	.181	.453[****]	.467	
Violence offenses	.056	.140	.120	
Drug offenses	.129	.072	.050	
Referrals for sexual abuse/exploitation	-.101	-.056	-.092	
Referrals for physical abuse	-.030	-.046	.020	
Referrals for neglect	-.082	-.136	.083	
Substance abuse treatment (ever)	.093	.055	.110	
Mental health treatment (ever)	.083	.083	-.002	0.112
Educational lag	-.034	-.067	-.139	(F=1.92 df=9,96)
Friends substance use and problem behavior				
Friends' substance use	-.033	-.083	-.056	0.005
Friends' involvement with the justice system	.012	.029	.178	(F=0.41 df=2,94)

TABLE 26 (Continued)

Variables	b	(beta)	r	R^2 change
Self-reported delinquency and frequency of getting very high/drunk on alcohol in past year				
Self-reported delinquency	-.025	-.058	.097	0.009
Frequency of getting very high/drunk on alcohol	.027	.157	.028	(F=0.71 df=2,92)
RIAH® test results				
Marijuana (positive)	-.073	-.085	.006	
Cocaine (positive)	.034	.036	.214	0.005
Opiates (positive)	.178	.090	.064	(F=0.27 df=3,89)
Arrest charges entering JAC				
Violence	-.101	-.210	-.160	
Property	-.032	-.087	-.059	
Drugs	-.129	-.176	-.112	0.027
Public Disorder	.030	.022	-.044	(F=1.00 df=4,85)
SCL-90-R Score	-.050	-.122	.040	0.013 (F=1.94 df=1,84)
Group assignment (FEI)	-.117	-.147[*]	.003	0.015 (F=2.21[**] df=1,83)

Constant -1.359

Overall R^2 = 0.453
F for R^2 = 1.96[**]
df = 35,83

TABLE 27

STEPWISE REGRESSION OF TOTAL ARRESTS DURING THE 12 MONTHS FOLLOWING RANDOM ASSIGNMENT ON VARIOUS PREDICTOR VARIABLES: THE INTERACTION EFFECT OF CASE TYPE AND GROUP ASSIGNMENT (n = 119)

Variables	b	(beta)	r	R^2 change
Demographic				
Age	.023	.050	.008	
Gender (male)	.365	.239	.363	
Race (Black)	.460	.289**	.256	
Ethnicity (Hispanic)	.081	.050	-.055	
Living situation (living with mother)	.168	.113	-.007	
Family Problems				
Involvement with the justice system	.001	.001	.064	
Alcohol, other drug or mental health problems	.029	.038	.068	0.264
				(F=5.68****
				df=7,111)
Self-reported drug use, sexual victimization, physical abuse				
Lifetime reported use of marijuana (not blunts)	-.050	-.177	.213	
Lifetime reported use of blunts	.055	.167	.285	
Lifetime reported use of hallucinogens	.122	.207	.128	
Lifetime reported use of cocaine	-.020	-.025	.040	
Sexual victimization	.044	.028	-.019	0.061
Physical abuse	.135	.180*	.133	(F=1.58
				df=6,105)
Referral, substance abuse or mental health treatment history, educational lag				
Property and public disorder offenses	.250	.334***	.456	
Violence offenses	.172	.230***	.298	
Drug offenses	.151	.201***	.206	
Referrals for sexual abuse/exploitation	-.623	-.183**	-.197	
Referrals for physical abuse	.135	.180	.133	
Referrals for neglect	.123	.109	.179	
Substance abuse treatment (ever)	-.200	-.063	.030	
Mental health treatment (ever)	-.025	-.013	-.049	0.132
Educational lag	-.008	-.008	-.088	(F=2.58**
				df=9,96)
Friends substance use and problem behavior				
Friends' substance use	.093	.124	.078	0.005
Friends' involvement with the justice system	-.009	-.012	.209	(F=0.41
				df=2,94)

TABLE 27 (Continued)

Variables	b	(beta)	r	R² change
Self-reported delinquency and frequency of getting very high/drunk on alcohol in past year				
Self-reported delinquency	-.138	-.170	.238	0.007
Frequency of getting very high/drunk on alcohol	.053	.167	.137	(F=0.65 df=2,92)
RIAH® test results				
Marijuana (positive)	-.086	-.053	.140	
Cocaine (positive)	-.170	-.097	.171	0.013
Opiates (positive)	.417	.112	.163	(F=0.75 df=3,89)
Arrest charges entering JAC				
Violence	-.084	-.093	-.085	
Property	.004	.006	-.141	
Drugs	-.132	-.096	.056	0.030
Public Disorder	-.067	-.026	.033	(F=1.04
Case Type	.435	.291***	-.044	df=5,84)
				0.002
SCL-90-R Score	-.012	-.015	.110	(F=0.36 df=1,83)
				0.003
Group assignment (FEI)	.239	.160	.058	(F=0.45 df=1,82)
				0.021
Case Type x Group	-.551	-.317*	-.065	(F=3.69* df=1,81)

Constant -1.248

Overall $R^2 = 0.538$
F for $R^2 = 2.55$****
df = 37,81

* .10 > p > .05 (two-tailed test)
** p < .05 (2-tailed test)
*** p < .01 (2-tailed test)
**** p < .001 (2-tailed test)

TABLE 28

**STEPWISE REGRESSION OF VIOLENT FELONY ARRESTS DURING THE 12 MONTHS
FOLLOWING RANDOM ASSIGNMENT ON VARIOUS PREDICTOR VARIABLES: THE
INTERACTION EFFECT OF CASE TYPE AND GROUP ASSIGNMENT (n = 119)**

Variables	b	(beta)	r	R^2 change
Demographic				
Age	.024	.094	-.018	
Gender (male)	-.046	-.055	.050	
Race (Black)	.241	.278*	.183	
Ethnicity (Hispanic)	.028	.031	-.107	
Living situation (living with mother)	-.032	-.039	-.128	
Family Problems				
Involvement with the justice system	-.005	-.011	-.020	0.059
Alcohol, other drug or mental health problems	-.071	-.174	-.121	(F=1.00 df=7,111)
Self-reported drug use, sexual victimization, physical abuse				
Lifetime reported use of marijuana (not blunts)	-.049	-.318	.033	
Lifetime reported use of blunts	.039	.214	.051	
Lifetime reported use of hallucinogens	.077	.241*	.075	
Lifetime reported use of cocaine	-.028	-.066	-.034	
Sexual victimization	-.012	-.014	.095	0.052
Physical abuse	.040	.099	.052	(F=1.02 df=6,105)
Referral, substance abuse or mental health treatment history, educational lag				
Property and public disorder offenses	.045	.109	.077	
Violence offenses	.150	.367***	.443	
Drug offenses	-.028	-.067	-.084	
Referrals for sexual abuse/exploitation	-.165	-.089	-.092	
Referrals for physical abuse	-.016	-.025	.066	
Referrals for neglect	-.028	.046	-.019	
Substance abuse treatment (ever)	-.208	-.120	-.087	
Mental health treatment (ever)	-.073	-.072	.065	0.157
Educational lag	.002	.003	-.010	(F=2.28** df=9,96)
Friends substance use and problem behavior				
Friends' substance use	.130	.318**	.074	0.022
Friends' involvement with the justice system	-.020	-.048	.059	(F=1.49 df=2,94)

TABLE 28 (Continued)

Variables	b	(beta)	r	R² change
Self-reported delinquency and frequency of getting very high/drunk on alcohol in past year				
Self-reported delinquency	-.094	-.213	.014	0.015
Frequency of getting very high/drunk on alcohol	.025	.145	.096	(F=0.99 df=2,92)
RIAH® test results				
Marijuana (positive)	.002	.002	.026	
Cocaine (positive)	-.118	-.123	-.048	0.006
Opiates (positive)	.187	.092	.069	(F=0.24 df=3,89)
Arrest charges entering JAC				
Violence	-.022	-.044	.007	
Property	.041	.110	.005	
Drugs	-.083	-.110	-.033	0.048
Public Disorder	-.165	-.117	-.121	(F=1.25
Case Type	.158	.193	-.133	df=5,84)
				0.019
SCL-90-R Score	.095	.231[**]	.156	(F=2.59 df=1,83)
				0.008
Group assignment (FEI)	.147	.180	.028	(F=1.02 df=1,82)
				0.035
Case Type x Group	-.388	-.409[**]	-.150	(F=4.89[**] df=1,81)

Constant -1.140[**]   Overall R^2 = 0.421
F for R^2 = 1.59[**]
df = 37,81

[*] .10 > p > .05 (two-tailed test)
[**] p < .05 (2-tailed test)
[***] p < .01 (2-tailed test)
[****] p < .001 (2-tailed test)